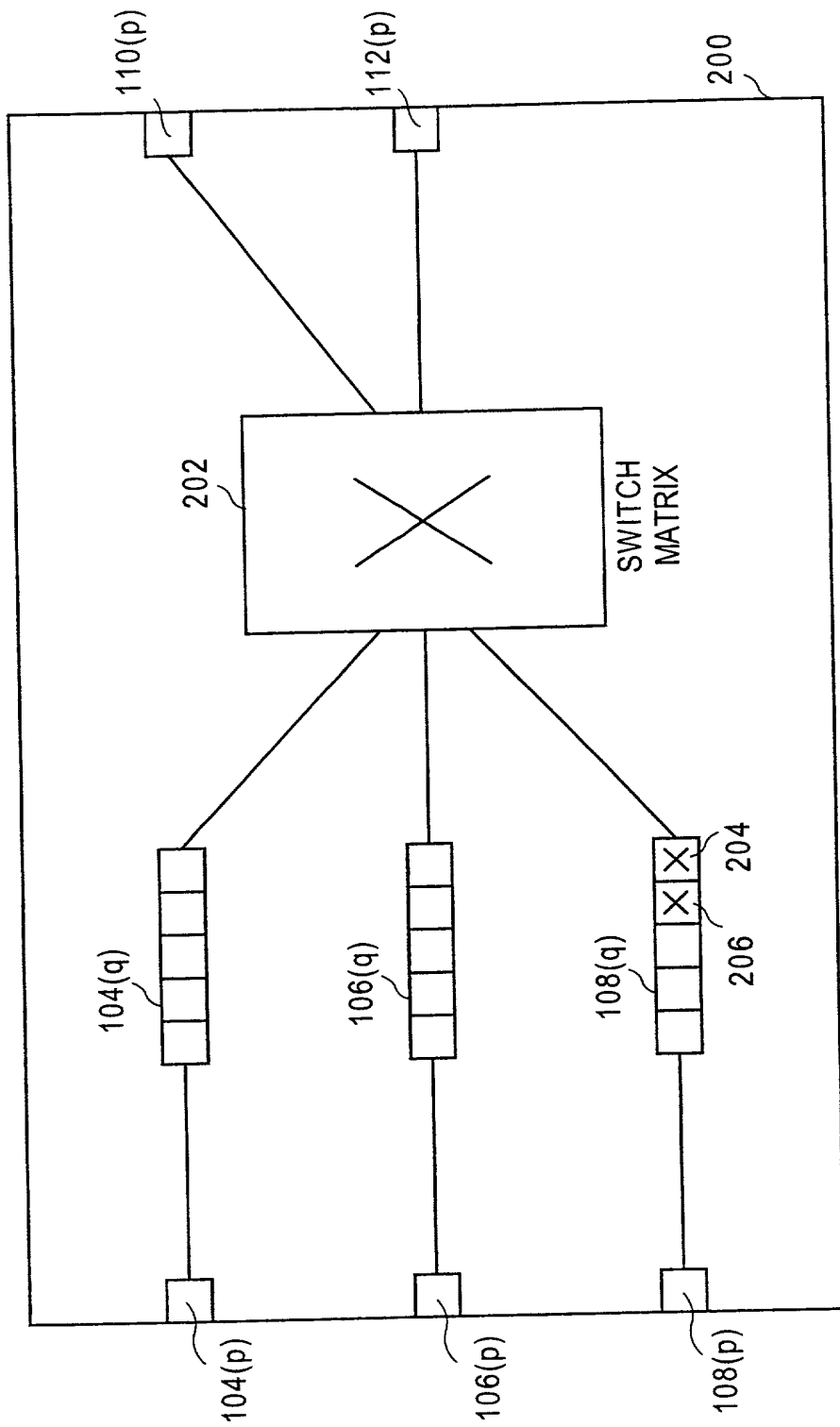


FIG. 1
(prior art)



INPUT BUFFER SWITCH

FIG. 2A
(prior art)

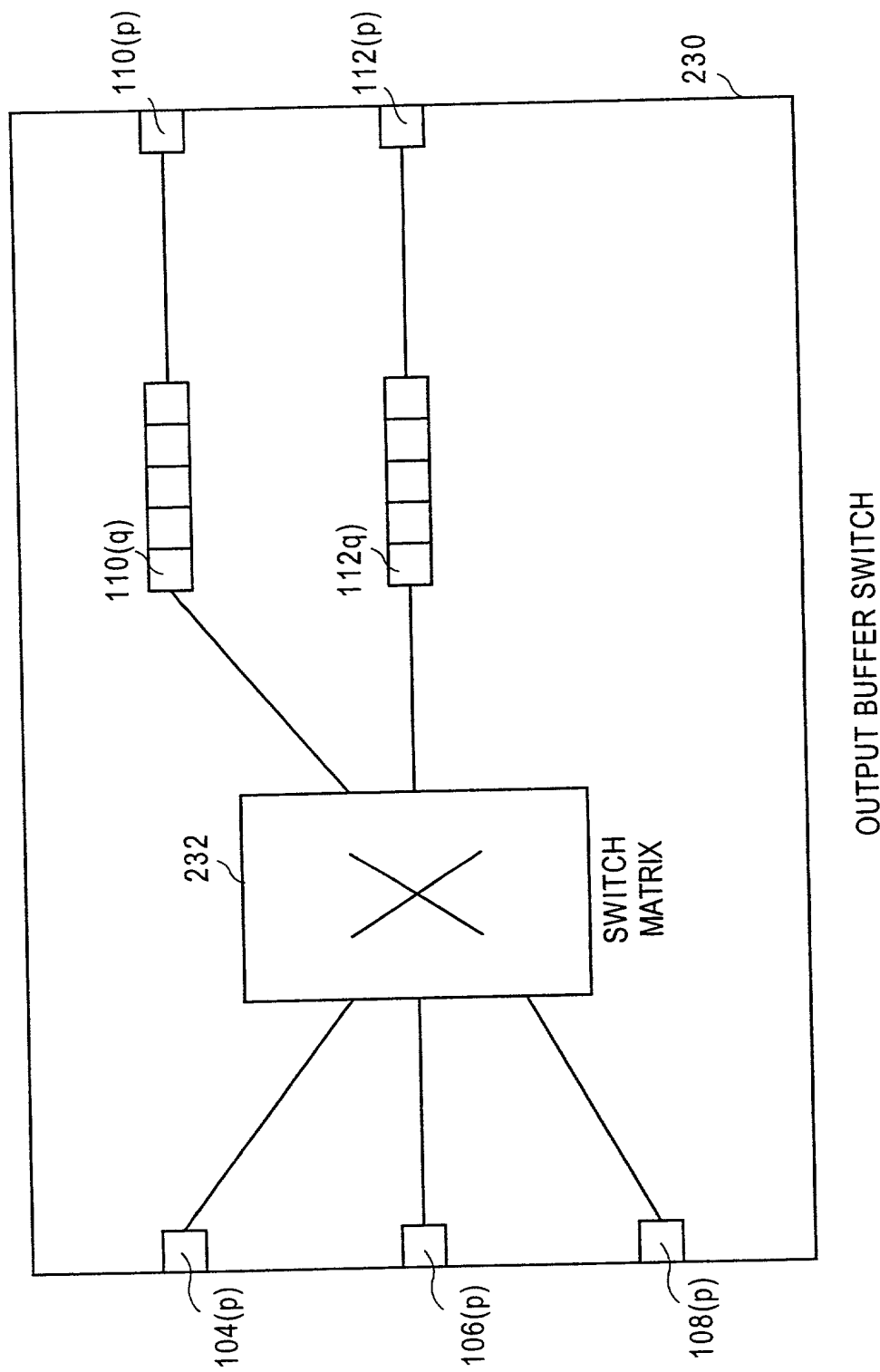
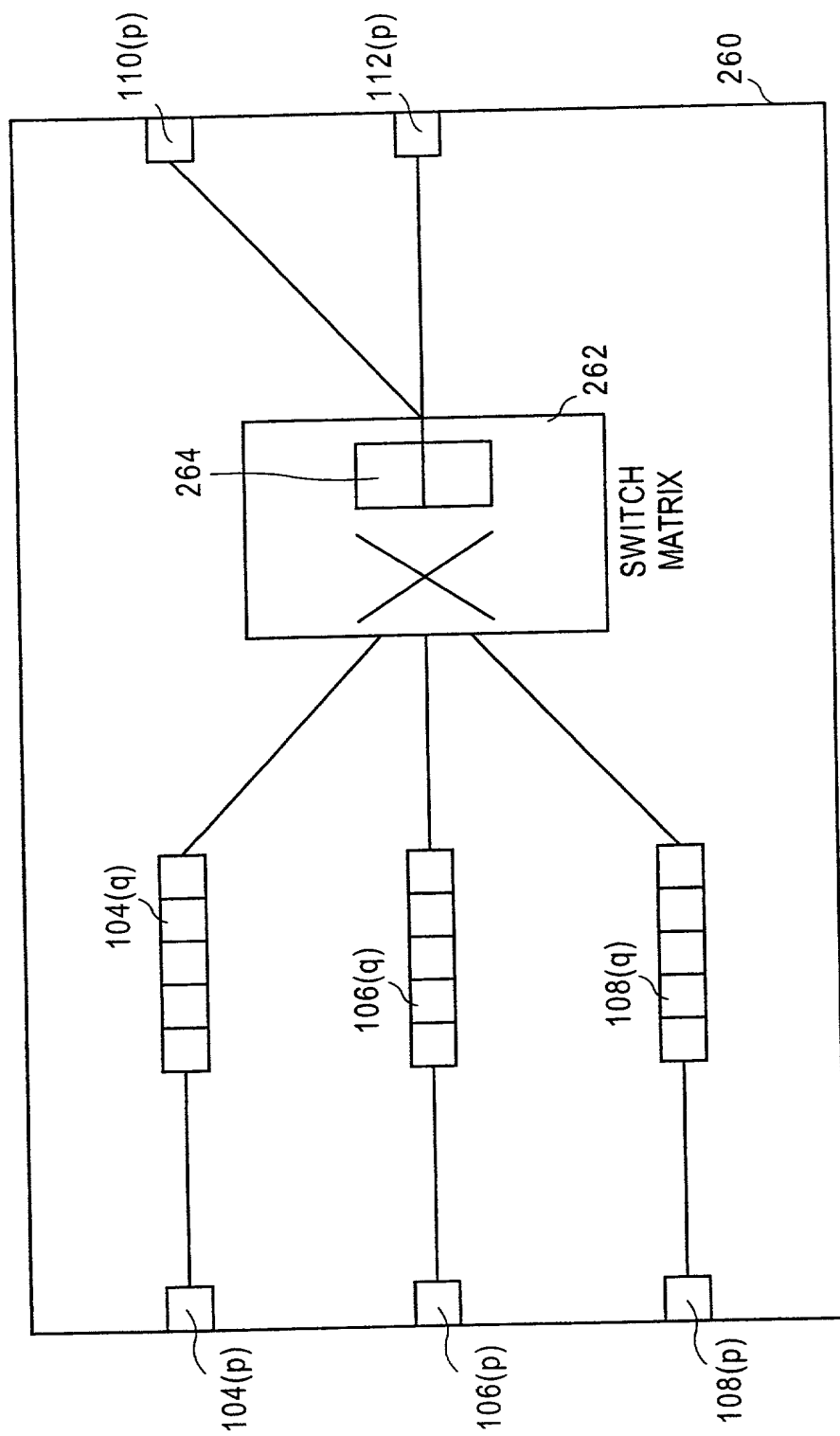


FIG. 2B
(prior art)



HYBRID SWITCH

FIG. 2C
(prior art)

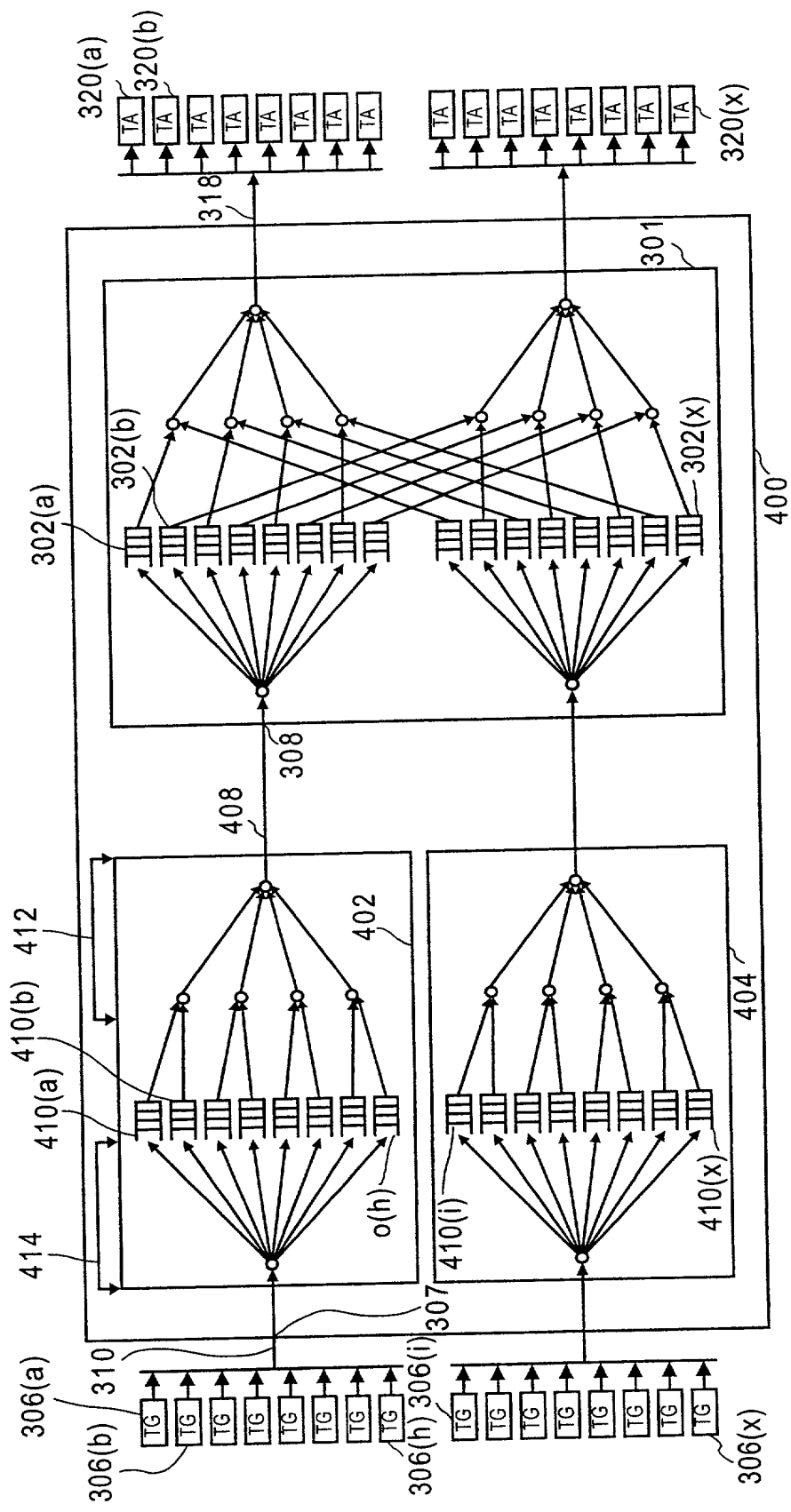


FIG. 4

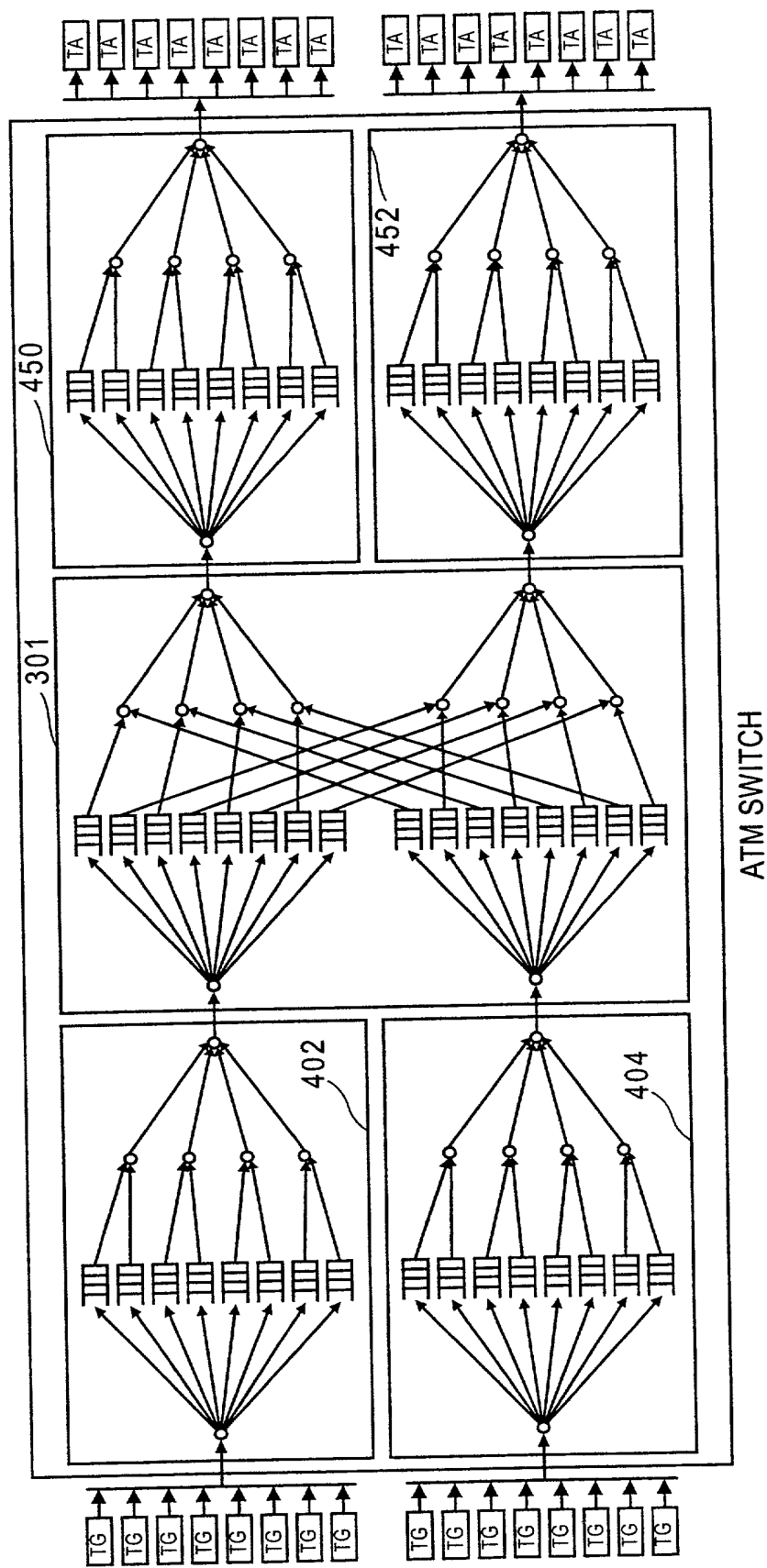


FIG. 5

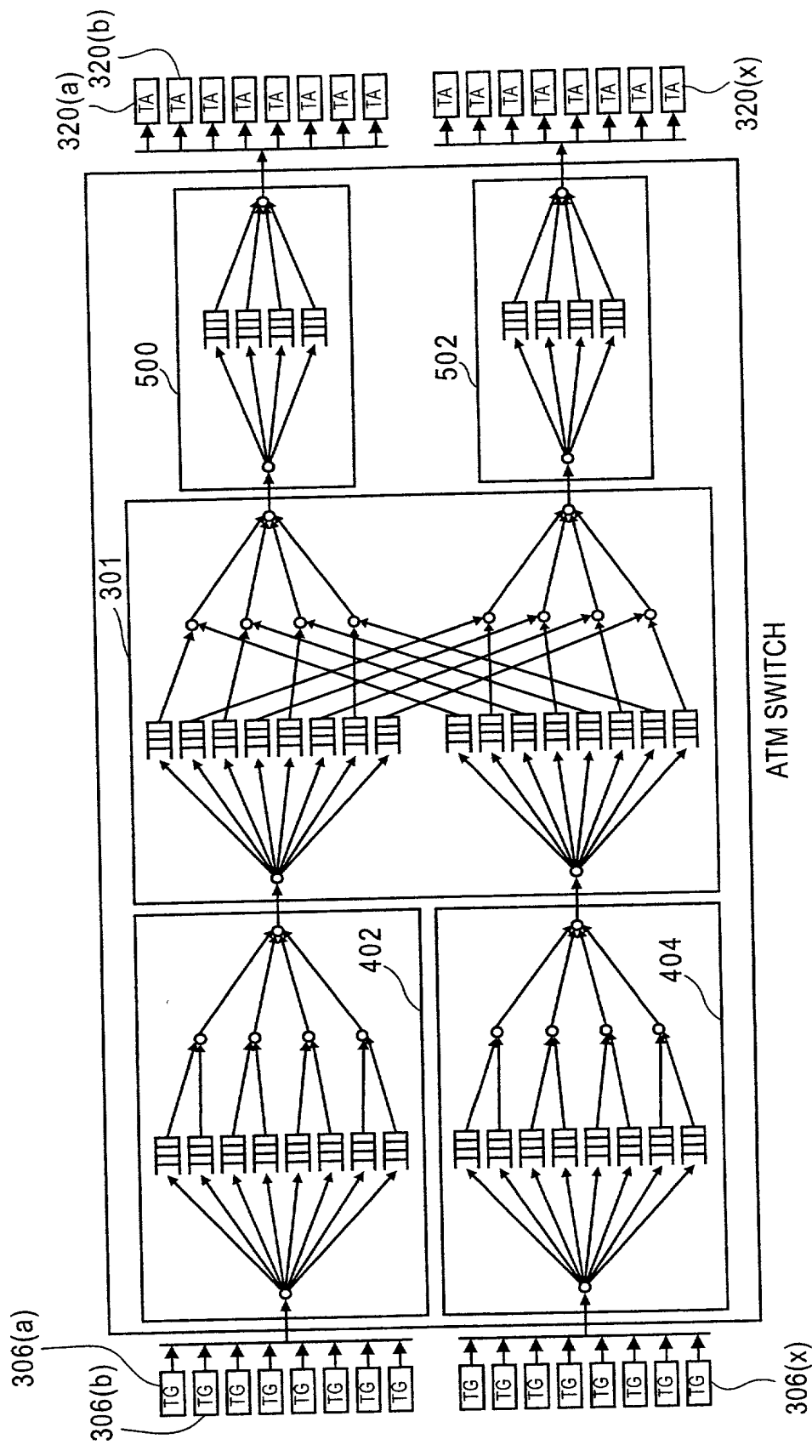


FIG. 6

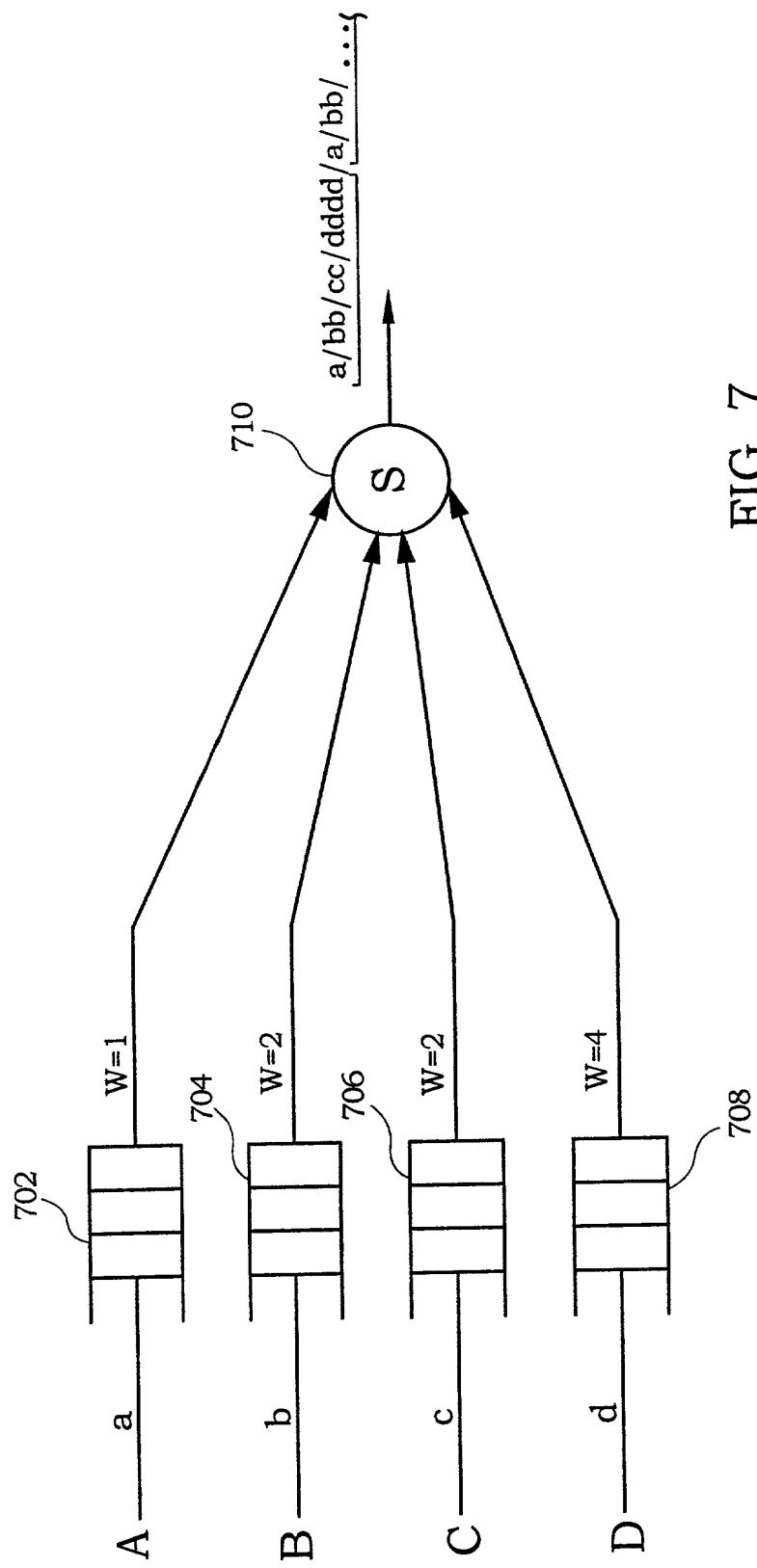


FIG. 7

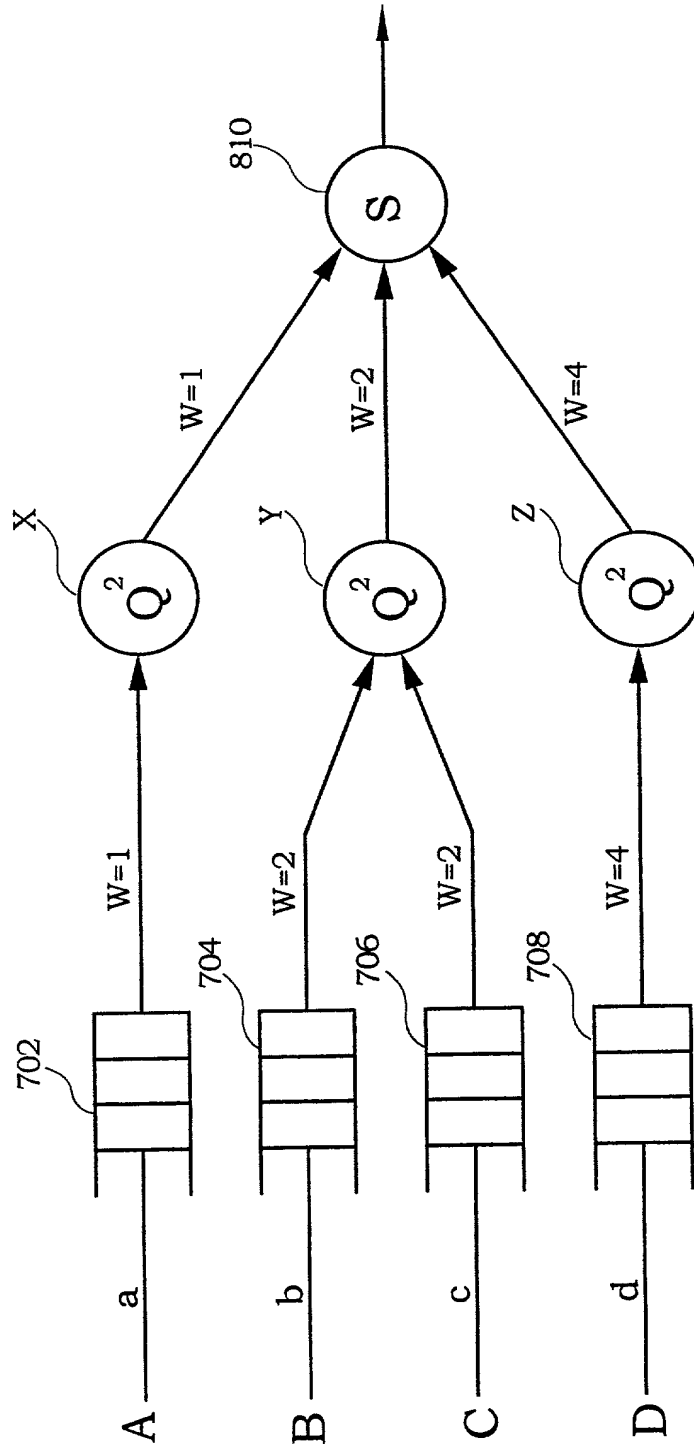


FIG. 8A

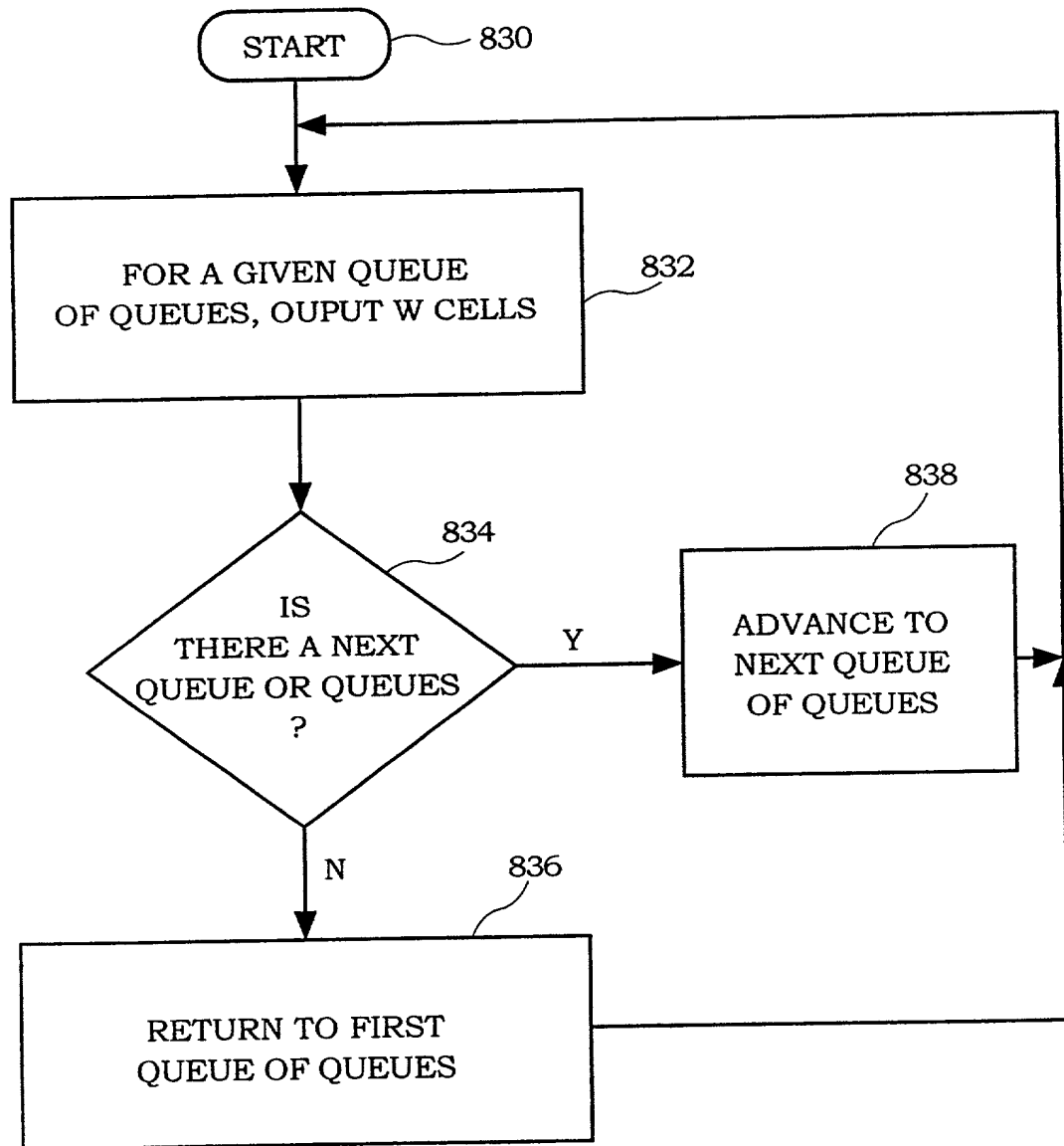


FIG. 8B

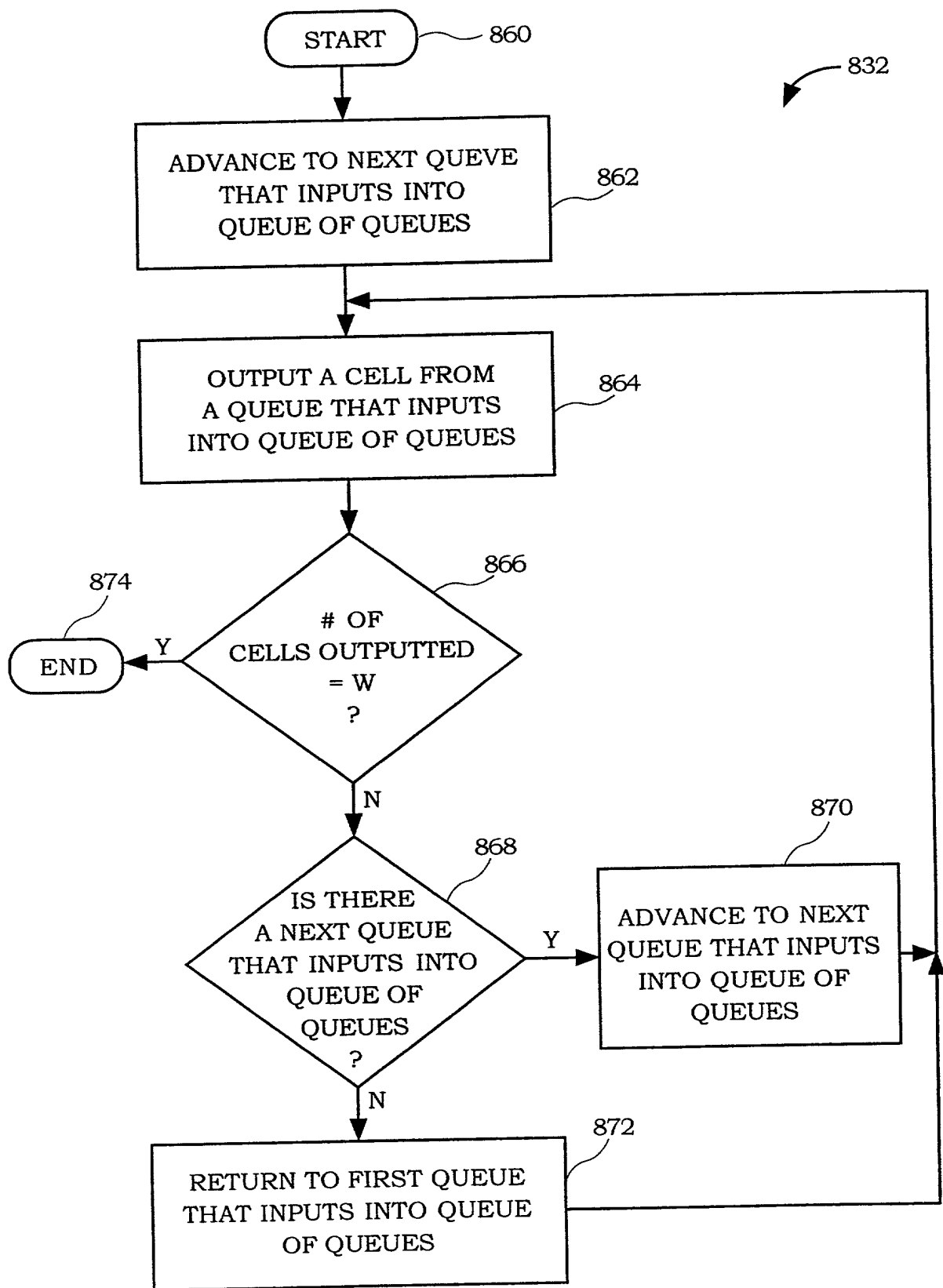


FIG. 8C

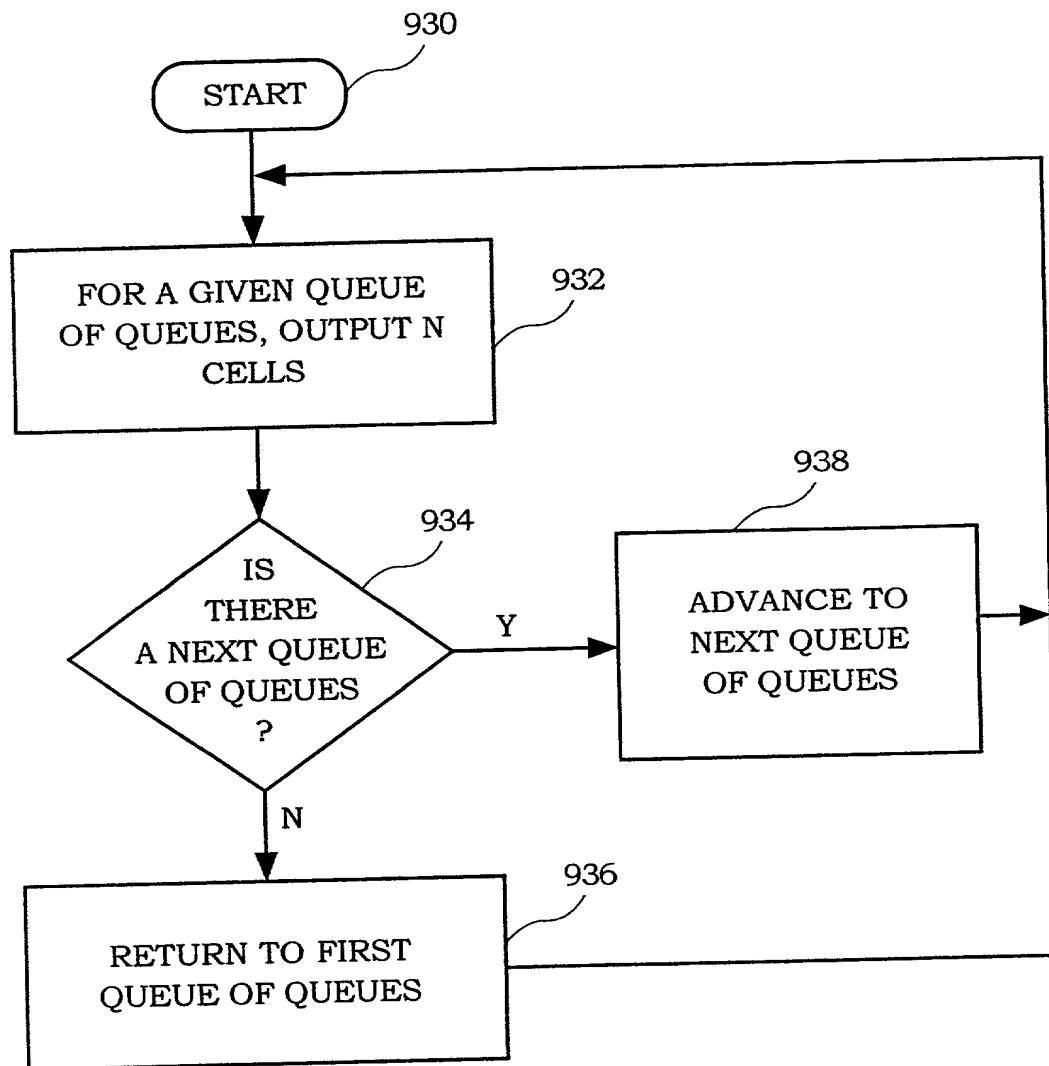


FIG. 9A

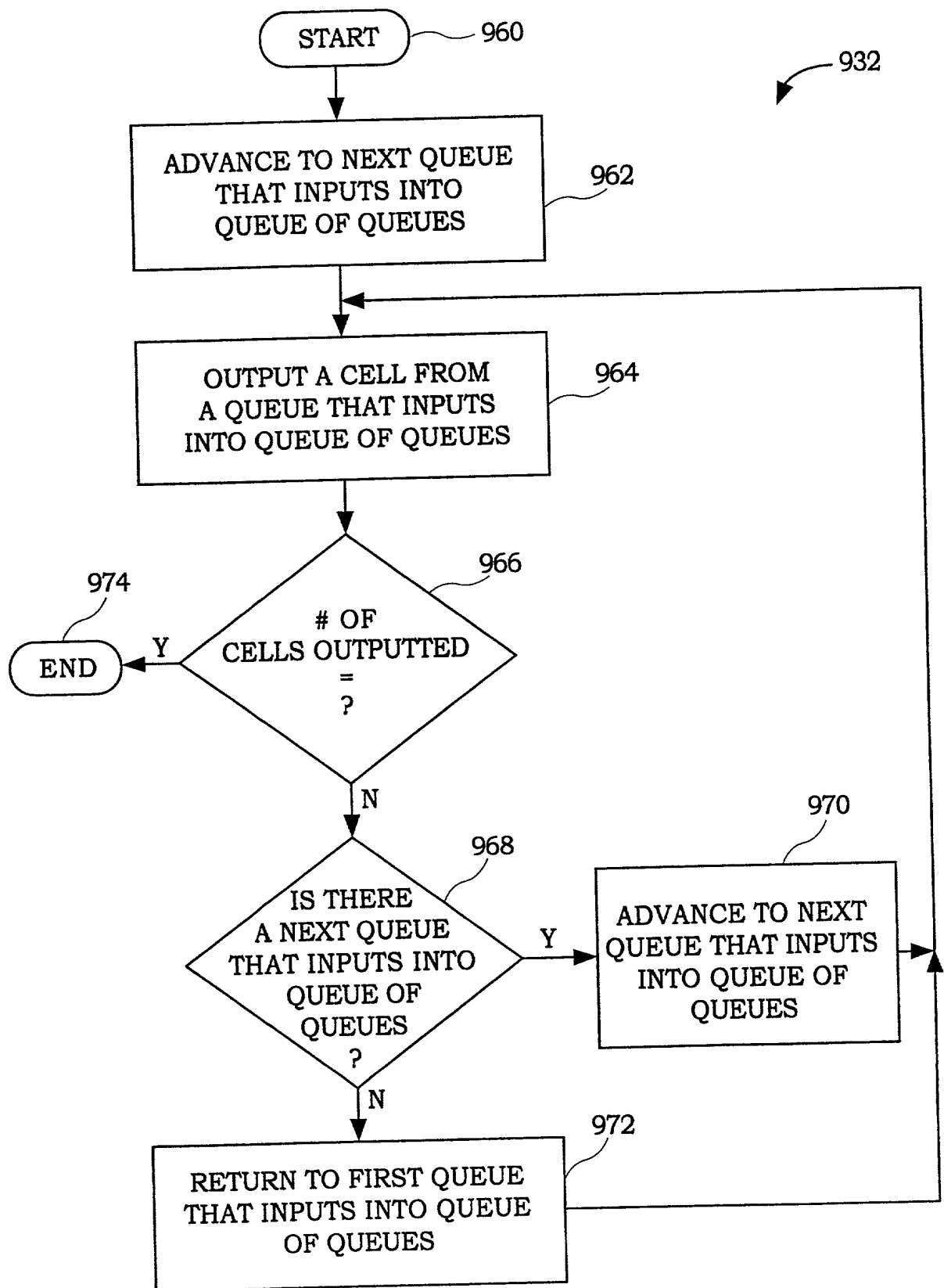


FIG. 9B

Queue of Queue	Static Weight	Dynamic Weight														Row #	
X	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Y	2	2	2	1	1	0	0	0	2	1	1	0	0	0	0	0	2
Z	4	4	4	4	3	3	2	1	0	4	4	3	2	1	2	1	3
																	4

Output													
X	Y	Z	Y	Z	Z	Z	Z	X	Y	Z	Y	Z	Z

Column #													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

FIG. 10

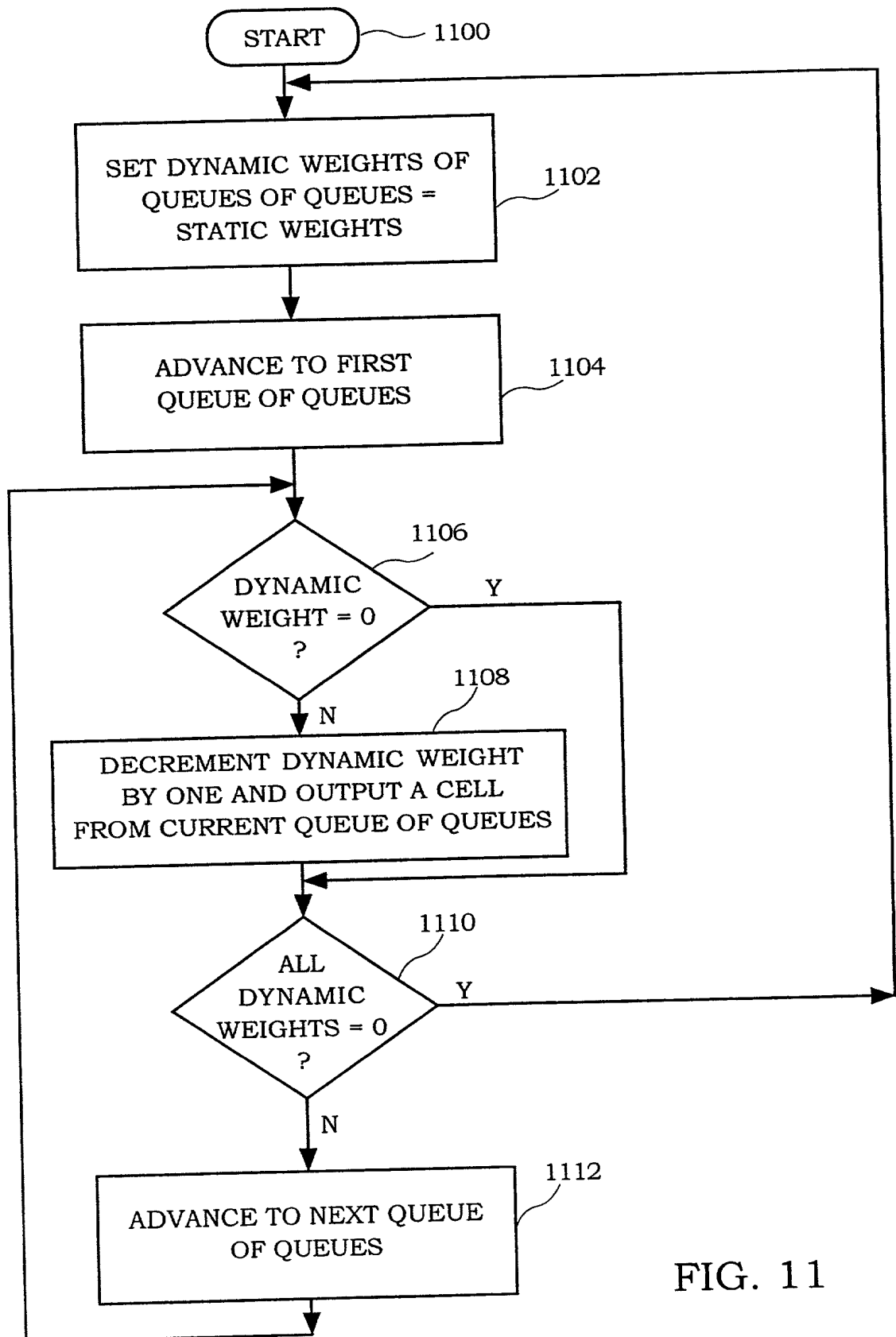


FIG. 11

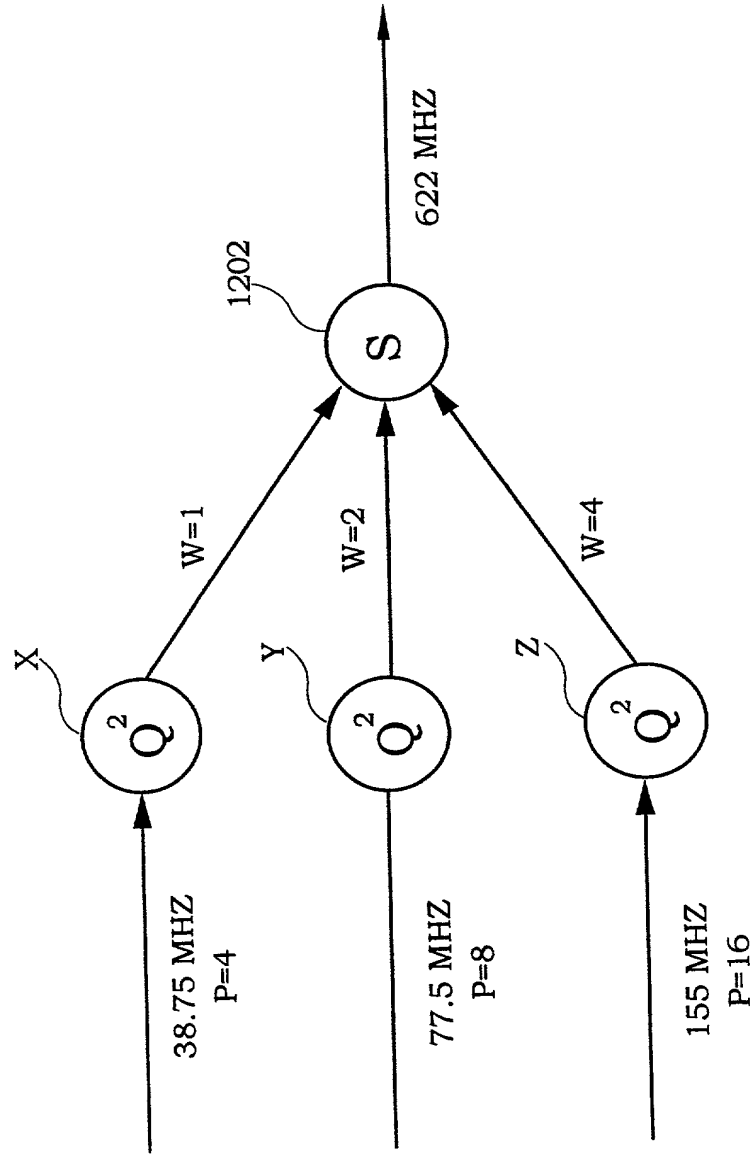


FIG. 12

		Static Period Current Count																														Row #			
Queue of Queue	Static Period																																		
X	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	15	14	13															1	
Y	7	6	5	4	3	2	1	0	7	6	5	4	3	2	1	0	7	6	5	4	3	2	1	0	7	6							2		
Z	3	2	1	0	3	2	1	0	3	2	1	0	3	2	1	0	3	2	1	0	3	2	1	0	3	2	1	0	3				3		
Output				z				y	z				z				x	y	z														4		
Column #		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

FIG. 13

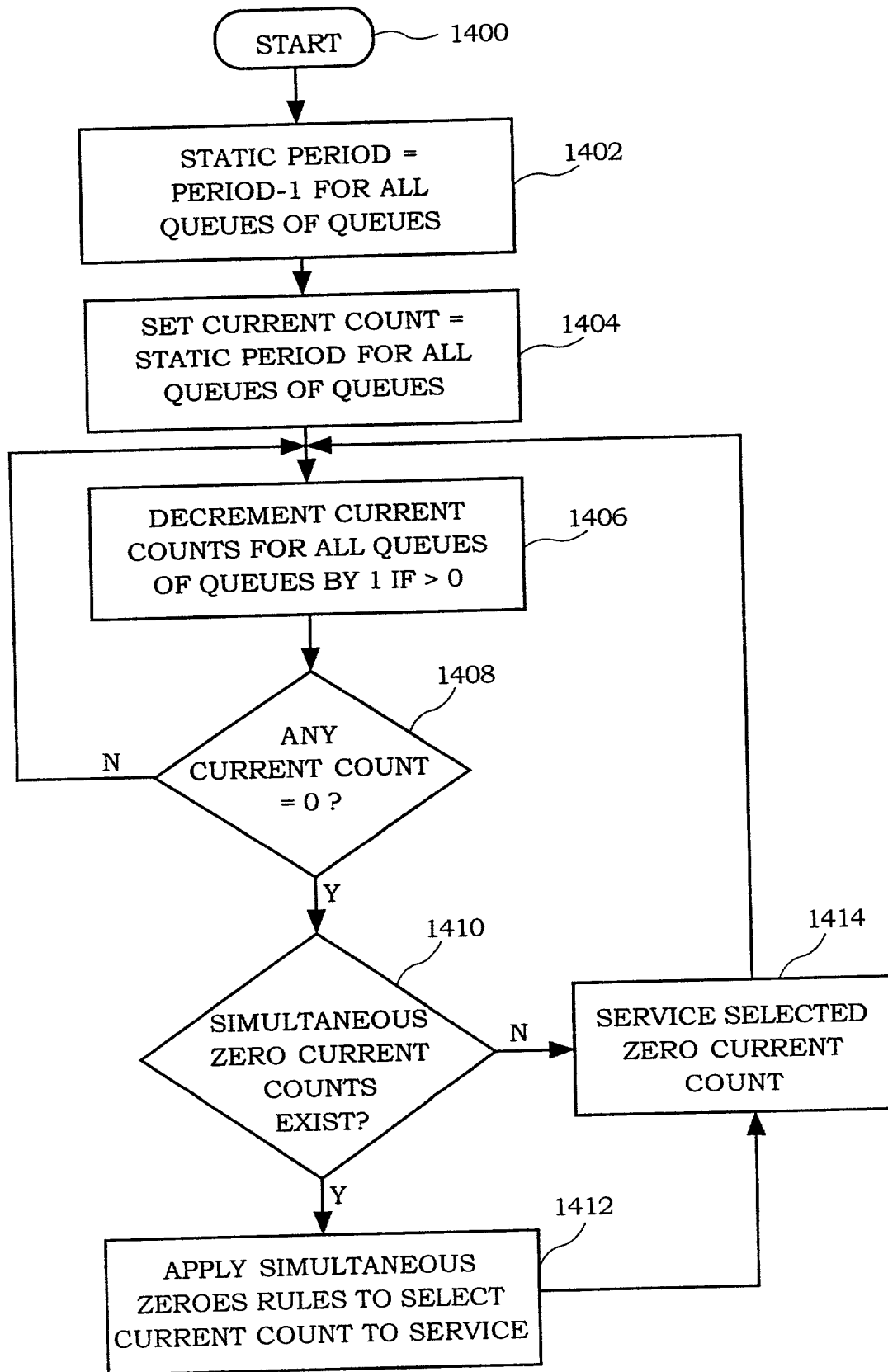


FIG. 14

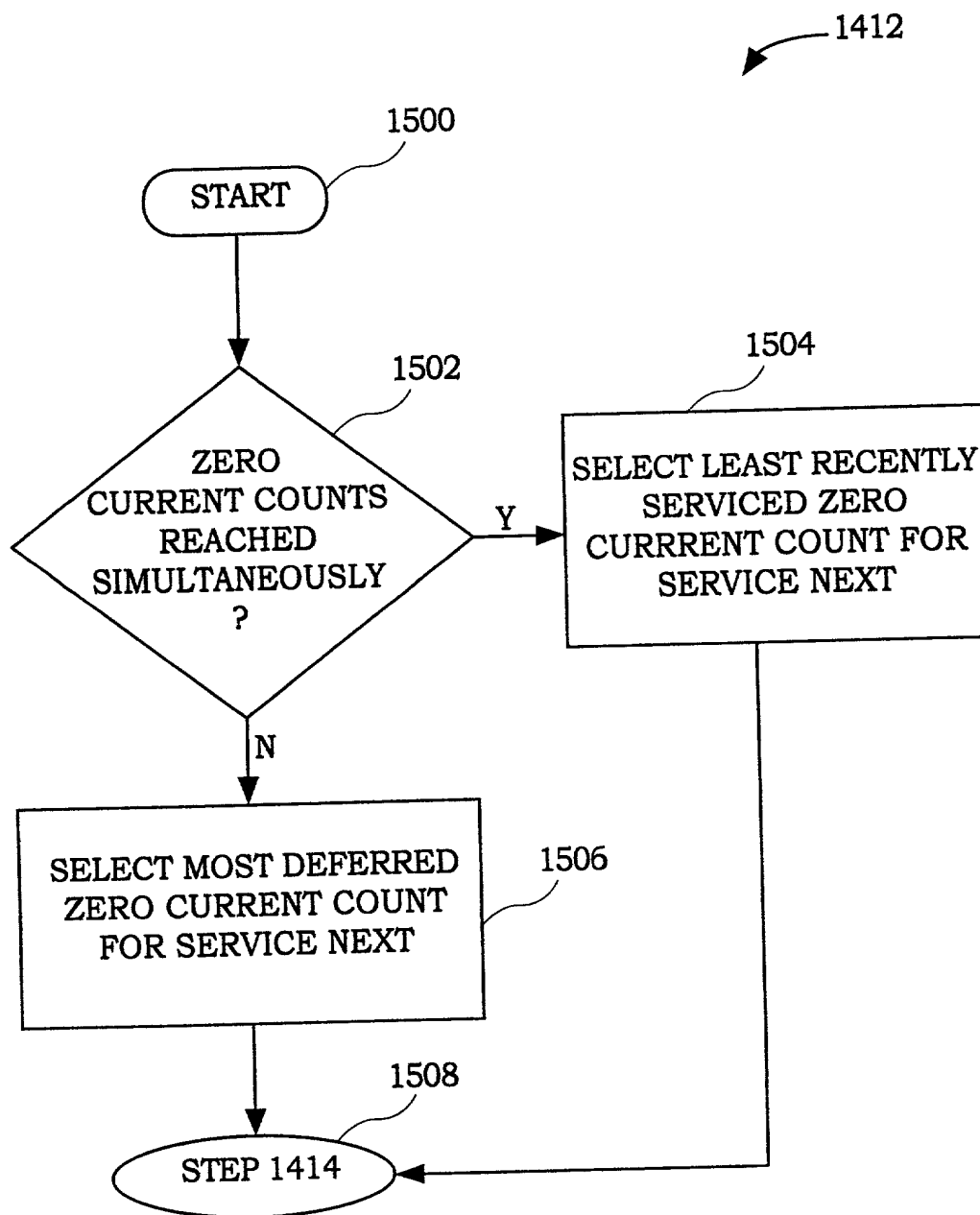


FIG. 15

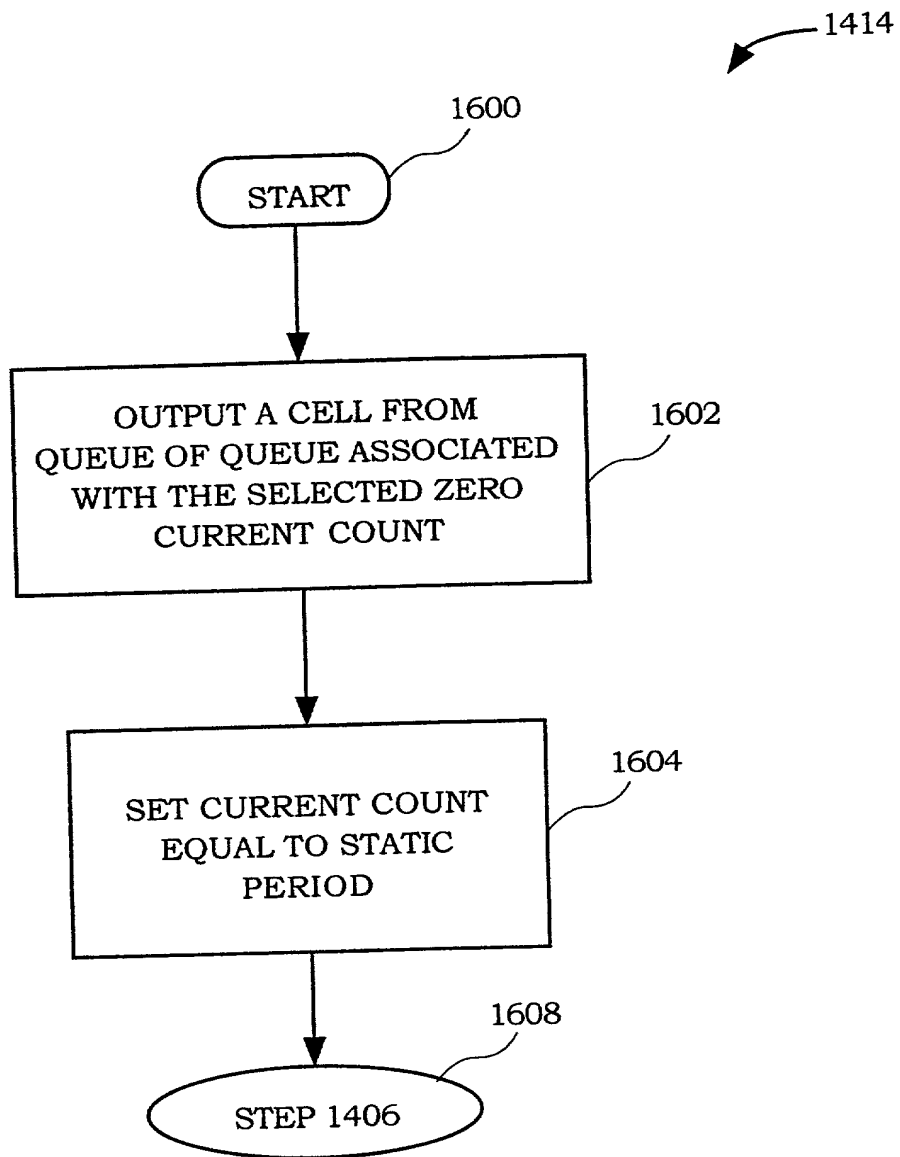


FIG. 16

Queue of Queue		Static Period Current Count																						Row #
X	1	0	1	0	0	1	0	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0		
		2	1	0	3	2	1	0	3	2	1	0	3	2	1	0	3	2	1	0	3	2		
		3	1	0	0	3	2	1	0	3	2	1	0	3	2	1	0	3	2	1	0	3		
Y	3	2	1	0	3	2	1	0	3	2	1	0	3	2	1	0	3	2	1	0	3	2		
		3	1	0	0	3	2	1	0	3	2	1	0	3	2	1	0	3	2	1	0	3		
		3	1	0	0	3	2	1	0	3	2	1	0	3	2	1	0	3	2	1	0	3		
Z	3	2	1	0	3	2	1	0	3	2	1	0	3	2	1	0	3	2	1	0	3	2		
		3	1	0	0	3	2	1	0	3	2	1	0	3	2	1	0	3	2	1	0	3		
		3	1	0	0	3	2	1	0	3	2	1	0	3	2	1	0	3	2	1	0	3		
Output		x		y	z	x		y	x	z	x	y	x	z	x	y	x	z	x	y	x	z	x	
Column #		C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	

FIG. 17